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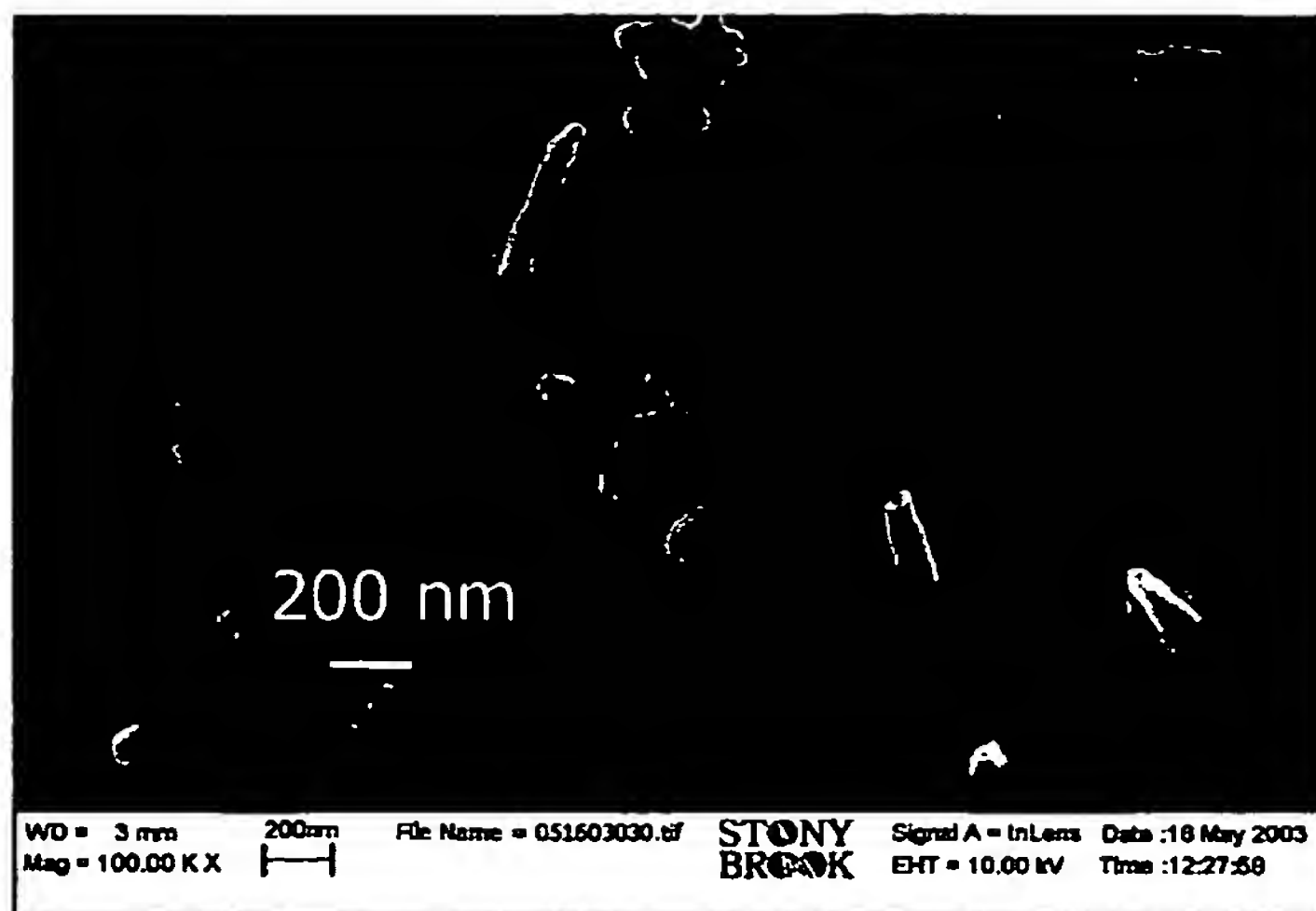
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(54) Title: NANOCOMPOSITE FIBERS AND FILMS CONTAINING POLYOLEFIN AND SURFACE-MODIFIED CARBON  
NANOTUBES



(57) Abstract: Methods for  
modifying carbon nanotubes with  
organic compounds are disclosed.  
The modified carbon nanotubes  
have enhanced compatibility with  
polyolefins. Nanocomposites of the  
organo-modified carbon nanotubes  
and polyolefins can be used to produce  
both fibers and films having enhanced  
mechanical and electrical properties,  
especially the elongation-to-break  
ratio and the toughness of the fibers  
and/or films.

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